

Table S14: Trend Analysis with no adjustment for socio-economic status

Model includes cumulative radon exposure and cumulative gamma-ray exposure

Exposure period birth to diagnosis

ICCC3 Codes	Diagnostic Grouping	Number of Cases	Number of Controls	Relative risk					
				No SES Variable included in analysis					

				Radon			Gamma		
				RR ^a	95% CI	P	RR ^b	95% CI	P
11	Lymphoid Leukaemia	7267	9571	1.28	0.96 - 1.69	0.09	1.09	1.01 - 1.18	0.02
12	Acute Myeloid Leukaemia	1316	1737	0.73	0.37 - 1.41	0.34	1.04	0.89 - 1.21	0.62
13-15	Other Leukaemia	475	604	0.92	0.37 - 2.30	0.86	1.20	0.91 - 1.59	0.20
11-15	Total Leukaemia	9058	11912	1.15	0.90 - 1.46	0.27	1.09	1.02 - 1.16	0.01
21	Hodgkin's disease	939	1388	1.05	0.66 - 1.67	0.84	1.04	0.93 - 1.16	0.50
22	Non-Hodgkin Lymphoma	983	1302	1.22	0.66 - 2.27	0.53	1.04	0.90 - 1.22	0.57
21-25	Total Lymphoma	2319	3274	1.11	0.78 - 1.57	0.57	1.01	0.93 - 1.10	0.78
11 ,22	Lymphoid Leukaemia + NHL	8250	10873	1.27	0.98 - 1.63	0.07	1.08	1.01 - 1.16	0.02
11-15, 22	Total Leukaemia + NHL	10041	13214	1.16	0.92 - 1.45	0.21	1.08	1.02 - 1.15	0.01
31-36	Brain/CNS (including Benign)	6585	8997	1.17	0.89 - 1.53	0.26	1.02	0.96 - 1.08	0.56
41-122	Other malignant tumours	9485	12610	1.00	0.81 - 1.24	1.00	1.01	0.96 - 1.07	0.61
21-122	Not Leukaemia	18389	24881	1.07	0.92 - 1.24	0.38	1.02	0.98 - 1.05	0.42
11-122	Total Childhood Cancer	27447	36793	1.09	0.96 - 1.24	0.18	1.03	1.00 - 1.07	0.06

^aRR for each 10³ Bq/m³ - years increase in cumulative radon exposure^bRR for each mGy increase in cumulative gamma-ray exposure

RRs in bold are significantly different from 1.00 (P<0.05),